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OM protein - nucleic search, using frame_plus_p2n model

Run on: January 18, 2003, 16:33:47 ; search time 52 Seconds (without alignments)

(without alignments)

100.260 Million cell updates/sec

Title: US-09-873-106B-9

Perfect score: 52

Sequence: GPXXXXXXWXXGTF 17

Scoring table: BLOSUM62

xgapop 10.0 , xgapext 0.5
 Ygapop 10.0 , ygapext 0.5
 Fgapop 6.0 , Fgapext 7.0
 Delop 6.0 , Delext 7.0

Post-processing: Minimum Match 10%
 Maximum Match 100%
 Listing first 45 summaries

Command line parameters:

-MODEL=frame_p2n.model -DEV=xlh
 -Q=cgn2_1/USPro_spool/US981606/runat_15012003_100215_11196/app_query.fasta_1.199
 -LOOPEXT=0 -UNITS=bit -SHARP=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cod
 -DB=issued_patents_NA.*
 -LIST=45 -DOALIGN=200 -THR_SCORE=pct -THR_MIN=0 -ALIGN=15
 -MODE=LOCAL -OUTTYPE=pcto -NORMWEIGHT=500 -MINLEN=0 -MAXLEN=55
 -USER=US98131056 @CGN1_1-17 @runat_15012003_100215_11196 -NCPU=6 -ICPU=3
 -NO_XLPLINE -NO_MMAT -LARGEQUERY -NCG_SCORES=0 -WAIT -LONGLOG -DEV_TIMEOUT=120
 -WARN_TIMEOUT=30 -THREADES=1 -XGAPOP=10 -XGAPEXT=0.5 -Fgapop=6 -Fgapext=7
 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Issued_Patents_NA.*
 1: /cgn2_6/ptodata/1/ina/5A.COMB.seq.*
 2: /cgn2_6/ptodata/1/ina/5B.COMB.seq.*
 3: /cgn2_6/ptodata/1/ina/6A.COMB.seq.*
 4: /cgn2_6/ptodata/1/ina/6B.COMB.seq.*
 5: /cgn2_6/ptodata/1/ina/PCNUS.COMB.seq.*
 6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

ALIGNMENTS

Result No.	Score	Query Length	DB ID	Description
C 1	26	50.0	27 1 US-09-956-277-8	Sequence 8, Appli
C 2	26	50.0	27 2 US-09-550-815-8	Sequence 8, Appli
C 3	26	50.0	27 3 US-09-703-089-8	Sequence 8, Appli
C 4	25	45.1	45 4 US-09-916-576B-32	Sequence 32, Appli
C 5	25	48.1	47 4 US-09-429-284A-8	Sequence 8, Appli
C 6	25	48.1	47 4 US-09-190-911-8	Sequence 8, Appli
C 7	24	46.2	50 4 US-09-367-205-11	Sequence 11, Appli
C 8	23	44.2	21 1 US-09-342-681C-82	Sequence 8, Appli
C 9	23	44.2	39 1 US-07-920-200-1	Sequence 1, Appli
C 10	23	44.2	39 2 US-08-133-189-1	Sequence 1, Appli
C 11	23	44.2	39 3 US-08-459-499-1	Sequence 1, Appli
C 12	44.2	39	3 US-09-082-614A-1	Sequence 1, Appli

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
C 1	26	50.0	27 1 US-09-956-277-8	Sequence 8, Appli
C 2	26	50.0	27 2 US-09-550-815-8	Sequence 8, Appli
C 3	26	50.0	27 3 US-09-703-089-8	Sequence 8, Appli
C 4	25	45.1	45 4 US-09-916-576B-32	Sequence 32, Appli
C 5	25	48.1	47 4 US-09-429-284A-8	Sequence 8, Appli
C 6	25	48.1	47 4 US-09-190-911-8	Sequence 8, Appli
C 7	24	46.2	50 4 US-09-367-205-11	Sequence 11, Appli
C 8	23	44.2	21 1 US-09-342-681C-82	Sequence 8, Appli
C 9	23	44.2	39 1 US-07-920-200-1	Sequence 1, Appli
C 10	23	44.2	39 2 US-08-133-189-1	Sequence 1, Appli
C 11	23	44.2	39 3 US-08-459-499-1	Sequence 1, Appli
C 12	44.2	39	3 US-09-082-614A-1	Sequence 1, Appli

RESULT 1

US-09-096-277-8/C

Sequence 8, Application US/08096277
 ; Patent No. 5578482

GENERAL INFORMATION:

APPLICANT: Lippman, Marc E

APPLICANT: Luptu, Ruth

TITLE OF INVENTION: Ligand Growth Factors that Bind to the ERBB-2 Receptor Protein and Methods of Use

NUMBER OF SEQUENCES: 18

CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner, Birch, McKie & Beckert
 STREET: 1001 G Street, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.
 ZIP: 20001

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/096,277
 FILING DATE: 26-JUL-1993
 CLASSIFICATION: 514
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/875,788
 FILING DATE: 29-APR-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/640,497
 FILING DATE: 14-JAN-1991
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/917,988
 FILING DATE: 24-JUL-1992
 PRIORITY APPLICATION DATA:

Sequence 34	App1
Sequence 35	App1
Sequence 87	App1
Sequence 91	App1
Sequence 112	App1
Sequence 35	App1
Sequence 35	App1
Sequence 35	App1
Sequence 2	App1
Sequence 16	App1
Sequence 46	App1
Sequence 46	App1
Sequence 60	App1
Sequence 10	App1
Sequence 14	App1
Sequence 22	App1
Sequence 22	App1
Sequence 22	App1
Sequence 14	App1
Sequence 22	App1
Sequence 19	App1
Sequence 38	App1
Sequence 34	App1
Sequence 22	App1
Sequence 65	App1
Sequence 8	App1
Sequence 20	App1
Sequence 53	App1
Sequence 9	App1
Sequence 14	App1
Sequence 1,	App1

APPLICATION NUMBER: US 07/872,114
 FILING DATE: 22-APR-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/528,438
 FILING DATE: 25-MAY-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Hoscheit, Dale H
 REGISTRATION NUMBER: 19,090
 REFERENCE/DOCKET NUMBER: 02899-43360
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-508-9100
 TELEFAX: 202-508-2299
 TELEX: 197430 BBMB UT
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 27 base pairs
 STRANDEDNESS: both
 TYPE: nucleic acid
 TOPOLOGY: unknown
 MOLECULE TYPE: DNA (genomic)
 US-08-096-277-8

Alignment Scores:

Pred. No.: 62.3
 Score: 25.00
 Percent Similarity: 57.14%
 Best Local Similarity: 57.14%
 Query Match: 1
 Db: 1

US-09-873-106b-9 (1-17) x US-08-096-277-8 (1-27)

QY 11 Trp*****GlyThrPhe 17

Db 21 TGGACTTCATGGGCACATTC 1

RESULT 2

US-08-550-815-8/C
 Sequence 8, Application US/08550815
 Patent No. 5869618

GENERAL INFORMATION:
 APPLICANT: Lippman, Marc E

APPLICANT: Lupu, Ruth
 TITLE OF INVENTION: Ligand Growth Factors that Bind to the
 NUMBER OF SEQUENCES: 18
 CORRESPONDENCE ADDRESS:
 ADDRESS: Banner, Birch, McKie & Beckert
 STREET: 1001 G Street, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.
 ZIP: 20001

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/550,815
 FILING DATE: 31-OCT-1995
 CLASSIFICATION: 536

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/096,277
 FILING DATE: 26-JUL-1993
 APPLICATION NUMBER: US 07/875,788
 FILING DATE: 29-APR-1992

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/640,497
 FILING DATE: 14-JAN-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/917,988
 FILING DATE: 24-JUL-1992

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/872,114
 FILING DATE: 22-APR-1992
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/528,438
 FILING DATE: 25-MAY-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Hoscheit, Dale H
 REGISTRATION NUMBER: 19,090
 REFERENCE/DOCKET NUMBER: 02899-43360
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-508-9100
 TELEFAX: 202-508-9299
 TELEX: 197430 BBMB UT
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 27 base pairs
 STRANDEDNESS: both
 TYPE: nucleic acid
 TOPOLOGY: unknown
 MOLECULE TYPE: DNA (genomic)
 US-08-550-815-8

RESULT 3

US-08-089-8/C
 Sequence 8, Application US/08703089
 Patent No. 6040290

GENERAL INFORMATION:
 APPLICANT: Lippman, Marc E

APPLICANT: Lupu, Ruth
 TITLE OF INVENTION: Ligand Growth Factors that Bind to the
 NUMBER OF SEQUENCES: 18
 CORRESPONDENCE ADDRESS:
 ADDRESS: Banner, Birch, McKie & Beckert
 STREET: 1001 G Street, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.
 ZIP: 20001

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/703,089
 FILING DATE:
 CLASSIFICATION:

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/096,277
 FILING DATE: 26-JUL-1993
 APPLICATION NUMBER: US 07/875,788
 FILING DATE: 29-APR-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/640,497
 FILING DATE: 14-JAN-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/917,988
 FILING DATE: 24-JUL-1992

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; FILING DATE: 24-JUL-1992
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 07/872,114
; FILING DATE: 22-APR-1992
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 07/528,438
; FILING DATE: 25-MAY-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Hoscheit, Dale H
; REGISTRATION NUMBER: 19-090
; REFERENCE/DOCKET NUMBER: 02899.43360

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; TELEX: 197430 BMB UT
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 45 base Pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
; US-08-703-089-8

Alignment Scores:
Pred. No.: 62.3 Length: 27
Score: 26.00 Matches: 4
Percent Similarity: 57.14% Conservative: 0
Best Local Similarity: 57.14% Mismatches: 3
Query Match: 50.008 Indels: 0
DB: 3 Gaps: 0

RESULT 4
US-08-916-576B-32
; Sequence 32, Application US/08916576B
; Patent No. 61171816
; GENERAL INFORMATION:
; APPLICANT: YU, GUO-LIANG
; APPLICANT: DILLON, PATRICK J.
; APPLICANT: EBNER, REINHARD
; APPLICANT: ENDRES, GREGORY A.
; TITLE OF INVENTION: NOVEL HUMAN GROWTH FACTORS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SPERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
; STREET: 1100 NEW YORK AVENUE, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: US
; ZIP: 20005-3934

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/916, 576B
; FILING DATE: 23-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: STIEFE, ERIC K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488-050001
; TELECOMMUNICATION INFORMATION:
; US-08-703-089-8

Alignment Scores:
Pred. No.: 62.3 Length: 27
Score: 26.00 Matches: 4
Percent Similarity: 57.14% Conservative: 0
Best Local Similarity: 57.14% Mismatches: 3
Query Match: 50.008 Indels: 0
DB: 3 Gaps: 0

RESULT 5
US-09-045-284A-8
; Sequence 8, Application US/09045284A
; Patent No. 626192
; GENERAL INFORMATION:
; APPLICANT: Bistrup, Annette
; APPLICANT: Rosen, Steven D.
; APPLICANT: Hemmerich, Stefan
; TITLE OF INVENTION: GLYCOSYL SULFOTRANSFERASE-3
; FILE REFERENCE: 6510-107051
; CURRENT APPLICATION NUMBER: US/09/045, 284A
; CURRENT FILING DATE: 1998-03-20
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 8
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-045-284A-8

Alignment Scores:
Pred. No.: 175 Length: 47
Score: 25.00 Matches: 4
Percent Similarity: 57.14% Conservative: 0
Best Local Similarity: 57.14% Mismatches: 3
Query Match: 48.088 Indels: 0
DB: 4 Gaps: 0

RESULT 6
US-09-873-106B-9 (1-17) x US-09-045-284A-8 (1-47)
; Sequence 8, Application US/09190911
; Patent No. 6365365
; GENERAL INFORMATION:
; APPLICANT: Bistrup, Annette
; APPLICANT: Rosen, Steven D.
; APPLICANT: Tangemann, Kirsten
; APPLICANT: Hemmerich, Stefan
; TITLE OF INVENTION: GLYCOSYL SULFOTRANSFERASE-3
; FILE REFERENCE: 6510-107051
; CURRENT APPLICATION NUMBER: US/09/190, 911
; CURRENT FILING DATE: 1998-11-12
; EARLIER APPLICATION NUMBER: 09/045, 284

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EARLIER FILING DATE: 1998-03-20
 NUMBER OF SEQ ID NOS: 8
 SOFTWARE: FASTSEQ for Windows version 3.0
 SEQ ID NO: 8
 LENGTH: 47
 TYPE: DNA
 ORGANISM: *H. sapiens*
 US-09-190-911-8

Alignment Scores:
 Pred. No.: 175 Length: 47
 Score: 25.00 Matches: 4
 Percent Similarity: 57.14% Conservative: 0
 Best Local Similarity: 57.14% Mismatches: 3
 Query Match: 48.08% Indexes: 0
 DB: 4 Gaps: 0

RESULT 7
 US-09-367-206-11
 Sequence 11, Application US/09367206
 Patent No. 626482
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc.
 TITLE OF INVENTION: NSP Molecules
 FILE REFERENCE: P1223R1E
 CURRENT APPLICATION NUMBER: US/09367206
 CURRENT FILING DATE: 1999-08-09
 PRIOR APPLICATION NUMBER: PCT/US99/08847
 PRIOR FILING DATE: 1999-04-23
 PRIOR APPLICATION NUMBER: US 60/082,767
 PRIOR FILING DATE: 1998-04-23
 PRIOR APPLICATION NUMBER: US 60/113,296
 PRIOR FILING DATE: 1998-12-22
 NUMBER OF SEQ ID NOS: 35
 SEQ ID NO: 11
 LENGTH: 50
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Oligonucleotide Probe
 US-09-367-206-11

Alignment Scores:
 Pred. No.: 314 Length: 50
 Score: 24.00 Matches: 4
 Percent Similarity: 57.14% Conservative: 0
 Best Local Similarity: 57.14% Mismatches: 3
 Query Match: 46.15% Indexes: 0
 DB: 4 Gaps: 0

RESULT 8
 US-09-342-681C-82
 Sequence 82, Application US/09342681C
 Patent No. 635582
 GENERAL INFORMATION:
 APPLICANT: Zonana et al.
 TITLE OF INVENTION: Hypohydrotic ectodermal dysplasia genes and proteins
 FILE REFERENCE: 52978
 CURRENT APPLICATION NUMBER: US/09/342,681C
 CURRENT FILING DATE: 1999-06-29
 PRIOR APPLICATION NUMBER: 60/092,279

RESULT 9
 US-09-873-106B-9 (1-17) x US-09-342-681C-82 (1-47)
 Sequence 11, Application US/09367206
 Patent No. 626482
 GENERAL INFORMATION:
 APPLICANT: Genentech, Inc.
 TITLE OF INVENTION: NSP Molecules
 FILE REFERENCE: P1223R1E
 CURRENT APPLICATION NUMBER: US/09367206
 CURRENT FILING DATE: 1999-08-09
 PRIOR APPLICATION NUMBER: PCT/US99/08847
 PRIOR FILING DATE: 1999-04-23
 PRIOR APPLICATION NUMBER: US 60/082,767
 PRIOR FILING DATE: 1998-04-23
 PRIOR APPLICATION NUMBER: US 60/113,296
 PRIOR FILING DATE: 1998-12-22
 NUMBER OF SEQ ID NOS: 35
 SEQ ID NO: 11
 LENGTH: 50
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Oligonucleotide Probe
 US-09-367-206-11

Alignment Scores:
 Pred. No.: 242 Length: 21
 Score: 23.00 Matches: 3
 Percent Similarity: 57.14% Conservative: 1
 Best Local Similarity: 42.86% Mismatches: 3
 Query Match: 44.23% Indexes: 0
 DB: 4 Gaps: 0

RESULT 10
 US-09-873-106B-9 (1-17) x US-09-342-681C-82 (1-21)
 Sequence 1, Application US/07929206
 Patent No. 563311
 GENERAL INFORMATION:
 APPLICANT: Heym, Beate
 APPLICANT: Cole, Stewart T.
 APPLICANT: Zhang, Ying
 APPLICANT: Young, Douglas B.
 TITLE OF INVENTION: Rapid Detection of Isoniazid Resistance
 TITLE OF INVENTION: in *Mycobacterium Tuberculosis*
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Finnegan, Henderson, Farbow, Garrett &
 ADDRESS: Dunner
 STREET: 1300 I Street, N.W.
 CITY: Washington
 STATE: DC
 COUNTRY: USA
 ZIP: 20005-3315

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/929,206
 FILING DATE: 14-AUG-1992
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/875,940
 FILING DATE: 30-APR-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Flynn, Kelly A.
 TELEFAX: 202-408-4400
 REGISTRATION NUMBER: 33,693
 REFERENCE DOCKET NUMBER: 04495.0110-01000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-408-4000
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 39 base Pairs
 TYPE: nucleic acid
 STRANDEDNESS: single

Db 16 TGCACGGCGGGCACCTAC 36

RESULT 12

US-09-082-614A-1

Sequence 1, Application US/09082614A

PATENT NO. 6124098

GENERAL INFORMATION:

APPLICANT: Heym, Beate

APPLICANT: Cole, Stewart

APPLICANT: Young, Douglas

APPLICANT: Zhang, Ying

APPLICANT: Honore, Nadine

APPLICANT: Telenti, Amalio

APPLICANT: Bodner, Thomas

TITLE OF INVENTION: Rapid Detection of Antibiotic Resistance

NUMBER OF SEQUENCES: 66

CORRESPONDENCE ADDRESS:

ADDRESSEE: Finnean, Henderson, Farabow, Garrett & Strong

STREET: 1300 I Street, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20005-3315

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY DISK

COMPUTER: IBM PC COMPATIBLE

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/082,614A

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/313,185

FILING DATE: 12-OCT-1994

ATTORNEY/AGENT INFORMATION:

NAME: Meyers, Kenneth J.

REGISTRATION NUMBER: 25,146

REFERENCE/DOCKET NUMBER: 02356.0068-00000

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 408-4000

TELEFAX: (202) 408-4400

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 39 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-09-082-614A-1

Alignment Scores:

Pred. No.:	425	Length:	39
Score:	23.00	Matches:	4
Percent Similarity:	57.14%	Conservative:	1
Best Local Similarity:	71.43%	Mismatches:	2
Query Match:	44.23%	Indels:	0
DB:	3	Gaps:	0

US-09-873-106B-9 (1-17) x US-09-082-614A-1 (1-39)

QY 11 TFP*****GlyThrPhe 17

QY 11 TFP*****GlyThrPhe 17

Db 19 TGGCGRCGGTGGACCTAC 39

RESULT 14

US-08-164-388-34

US-08-164-388-34

; Sequence 34, Application US/08164388

Patent No. 5681697

GENERAL INFORMATION:

APPLICANT: Under, Michael S.

APPLICANT: Fultz, Timothy

APPLICANT: Warner, Britan D.

APPLICANT: Collins, Mark

TITLE OF INVENTION: SOLUTION PHASE NUCLEIC ACID SANDWICH

NUMBER OF SEQUENCES: 61

CORRESPONDENCE ADDRESS:

ADDRESSEE: CHIRON CORPORATION - INTELLECTUAL PROPERTY

ADDRESSEE: R440

CITY: EMERYVILLE

STATE: CALIFORNIA

COUNTRY: USA

ZIP: 94608-2916

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY DISK

COMPUTER: IBM PC COMPATIBLE

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30B

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/4429,181

FILING DATE: 26-APR-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/1164,388

FILING DATE: 08-DEC-1993

ATTORNEY/AGENT INFORMATION:

NAME: GOLDMAN, KENNETH M.

REGISTRATION NUMBER: 34,174

TELECOMMUNICATION INFORMATION:

TELEPHONE: (510) 601-2719

TELEFAX: (510) 655-3542

TELEX: N/A

INFORMATION FOR SEQ ID NO: 34:

SEQUENCE CHARACTERISTICS:

LENGTH: 49 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-429-181-34

Alignment Scores:

Pred. No.:	523	Length:	49
Score:	23.00	Matches:	4
Percent Similarity:	71.43%	Conservative:	1
Best Local Similarity:	57.14%	Mismatches:	2
Query Match:	44.23%	Indels:	0
DB:	1	Gaps:	0

US-09-873-106B-9 (1-17) x US-08-429-181-34 (1-49)

QY 11 TFP*****GlyThrPhe 17

QY 11 TFP*****GlyThrPhe 17

Db 19 TGGCGRCGGTGGACCTAC 39

RESULT 14

US-08-164-388-34

US-08-164-388-34

; Sequence 34, Application US/08164388

Patent No. 5681697

GENERAL INFORMATION:

APPLICANT: Under, Michael S.

APPLICANT: Fultz, Timothy

APPLICANT: Warner, Britan D.

APPLICANT: Collins, Mark

TITLE OF INVENTION: SOLUTION PHASE NUCLEIC ACID SANDWICH

NUMBER OF SEQUENCES: 61

CORRESPONDENCE ADDRESS:

ADDRESSEE: CHIRON CORPORATION - INTELLECTUAL PROPERTY

ADDRESSEE: R440

STREET: 4560 HORTON STREET
 CITY: EMEYVILLE
 STATE: CALIFORNIA
 COUNTRY: USA
 ZIP: 94608-2916

COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Parentin Release #1.0, Version #1.3.0B

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/164,388
 FILING DATE: 08-DEC-1993
 CLASSIFICATION: 436
 ATTORNEY/AGENT INFORMATION:
 NAME: GOLDMAN, KENNETH M.
 REGISTRATION NUMBER: 34,174
 REFERENCE/DOCKET NUMBER: 0300.001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (510) 655-3542
 TELEFAX: (510) 601-2719
 TELEX: N/A
 INFORMATION FOR SEQ ID NO: 34:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 49 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-164-388-34

Alignment Scores:
 Pred. No.: 523 Length: 49
 Score: 23.00 Matches: 4
 Percent Similarity: 71.43% Conservative: 1
 Best Local Similarity: 57.14% Mismatches: 2
 Query Match: 1 Indels: 0
 DB: Gaps: 0

US-09-873-106B-9 (1-17) x US-08-164-388-34 (1-49)

Qy 11 Trp*****GlyThrPhe 17
 ||||| ||||| |||||:::
 Db 19 TGGCGRCGGTGGTACCTAC 39

RESULT 15 US-07-977-284A-87

Sequence 87 Application US/07977284A
 Patent No. 555988

GENERAL INFORMATION:
 APPLICANT: Prokopp, Darwin J.
 APPLICANT: Alakkoko, Leena
 APPLICANT: Williams, Charlene J.
 APPLICANT: Ritanen, Pertti
 APPLICANT: Baldwin, Clinton
 APPLICANT: Hopkins, Ian
 APPLICANT: Ahmed, Nilofer Nina
 TITLE OF INVENTION: METHODS OF DETECTING A GENETIC
 TITLE OF INVENTION: PREDIPOSITION FOR OSTEOARTHRITIS
 NUMBER OF SEQUENCES: 261
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Wodcock, Washburn, Kurtz, Mackiewicz & No.
 STREET: One Liberty Place, 46th floor
 CITY: Philadelphia
 STATE: PA
 COUNTRY: USA
 ZIP: 19103

COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WordPerfect 5.1
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/977,284A
 FILING DATE: 13-NOV-1992
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
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 REFERENCE/DOCKET NUMBER: TJU-0697
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 INFORMATION FOR SEQ ID NO: 87:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 22
 TYPE: NUCLEIC ACID
 STRANDEDNESS: SINGLE
 TOPOLOGY: LINEAR
 ANTI-SENSE: NO
 US-07-977-284A-87

Alignment Scores:
 Pred. No.: 428 Length: 22
 Score: 22.00 Matches: 3
 Percent Similarity: 50.00% Conservative: 0
 Best Local Similarity: 50.00% Mismatches: 3
 Query Match: 42.31% Indels: 0
 DB: Gaps: 0

US-09-873-106B-9 (1-17) x US-07-977-284A-87 (1-22)

Qy 11 Trp*****GlyThr 16
 ||||| |||||
 Db 2 TGGACAGCAGGAGCACT 19

Search completed: January 18, 2003, 18:57:10
 Job time : 54 secs

